

CLAIMS

1. An optical compensation plate, comprising an optical compensation layer, wherein an anti-cracking layer containing a moisture-curing
5 isocyanate compound is laminated directly on at least one surface of the optical compensation layer, and the anti-cracking layer has a glass transition temperature (T_g) of 100°C or less in a cured state.
2. The optical compensation plate according to Claim 1, wherein the
10 glass transition temperature is 60°C or less.
3. The optical compensation plate according to Claim 1, wherein the moisture-curing isocyanate compound is hexamethylenediisocyanate or 1,3-bis(isocyanatomethyl)cyclohexane.
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4. The optical compensation plate according to Claim 1, wherein microhardness of the anti-cracking layer ranges from 0.1 GPa to 0.5 GPa.
5. The optical compensation plate according to Claim 1, wherein a
20 thickness of the anti-cracking layer ranges from 0.1 μm to 20 μm.
6. The optical compensation plate according to Claim 1, wherein the optical compensation layer comprises a cholesteric layer whose constituent molecules are aligned in a form of a cholesteric structure.
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7. The optical compensation plate according to Claim 6, wherein a thickness of the cholesteric layer ranges from 0.5 μm to 10 μm.
8. The optical compensation plate according to Claim 6, wherein the
30 constituent molecule of the cholesteric layer is a non-liquid crystal polymer,

and the non-liquid crystal polymer is a polymer obtained by polymerizing or cross-linking liquid crystal monomers that are aligned in the form of a cholesteric structure.

5 9. The optical compensation plate according to Claim 6, wherein the constituent molecule of the cholesteric layer is a liquid crystal polymer, and the liquid crystal polymer is aligned in the form of a cholesteric structure.

10 10. The optical compensation plate according to Claim 6, wherein a helical pitch in the cholesteric layer ranges from 0.01 μm to 0.25 μm .

11. A polarizing plate, comprising a polarizer, a transparent protective layer and an optical compensation plate, wherein the optical compensation plate comprises the optical compensation plate according to Claim 1, and
15 the polarizer and the optical compensation plate are laminated together via the transparent protective layer.

12. The polarizing plate according to Claim 11, wherein the optical compensation plate and the transparent protective layer are directly
20 adhered to each other by an anti-cracking layer of the optical compensation plate.

13. The polarizing plate according to Claim 11, further comprising a pressure-sensitive adhesive layer, wherein, in the optical compensation
25 plate, the pressure-sensitive adhesive layer is laminated on a surface of the optical compensation layer opposed to the surface on which the anti-cracking layer is laminated.

14. The polarizing plate according to Claim 13, wherein a material of
30 the pressure-sensitive adhesive layer is at least one resin-based

pressure-sensitive adhesive selected from the group consisting of an acrylic resin, a rubber-based resin and a vinyl-based resin.

15. The polarizing plate according to Claim 13, wherein a liner is
5 further disposed on the surface of the pressure-sensitive adhesive layer.
16. A liquid crystal panel, comprising a liquid crystal cell and an optical member, wherein the optical member is at least one selected from the group consisting of the optical compensation plate according to Claim 1 and the
10 polarizing plate according to Claim 11.
17. A liquid crystal display, comprising a liquid crystal panel, wherein the liquid crystal panel is the liquid crystal panel according to Claim 16.
- 15 18. An image display apparatus, which is at least one image display apparatus selected from the group consisting of an electroluminescence display, a plasma display and a field emission display, and comprises at least one optical member selected from the group consisting of the optical compensation plate according to Claim 1 and the polarizing plate according
20 to Claim 11.